Form Approved OMB No. 158-S80004

VIRONMENTAL PROTECTION AGENCY
DOUS WASTE PERMIT APPLICATIO
Consolidated Permits Program
(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

1	F	I	L	D	0	0	5	0	7	8	1	2	6	T/A	1

COMMENTS

RECEIVED

FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

[X] 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)*

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

YR.	MO.	DAY
5 3	0 4	

[ ] 2. NEW FACILITY *(Complete item below.)*

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR.	MO.	DAY

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

[ ] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

II. PROCESSES – CODES AND DESIGN CAPACITIES

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C)*.

B. PROCESS DESIGN CAPACITY – For each code entered in column A enter the capacity of the process.
1. AMOUNT – Enter the amount.
2. UNIT OF MEASURE – For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below)*: A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

DUP T/A C 1

LINE NUMBER	A. PROCESS CODE *(from list above)*	B. PROCESS DESIGN CAPACITY 1. AMOUNT *(specify)*	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE *(enter code)*	FOR OFFICIAL USE ONLY
X-1	S02	600	G	
X-2	T03	20	E	
1	S01	20,000	G	
2	S04	3,000,000	G	
3	T04	1,020,000	U	
4				
5				
6				
7				
8				
9				
10				

ON FOR DESCRIBING OTHER PROCESSES *(code "T04")*. FOR EACH PROCESS ENTERED HERE

Reduction of chromates, Neutralization, Clarification, and Thermal Treatment.

DESCRIPTION OF HAZARDOUS WASTES

EPA HAZARDOUS WASTE NUMBER – Enter the four–digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four–digit number*(s)* from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

ESTIMATED ANNUAL QUANTITY – For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non–listed waste*(s)* that will be handled which possess that characteristic or contaminant.

UNIT OF MEASURE – For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code*(s)* from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non–listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code*(s)* from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non–listed hazardous wastes that possess that charecteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code*(s)*.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

TE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by e than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B,C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

XAMPLE FOR COMPLETING ITEM IV *(shown in line numbers X-1, X-2, X-3, and X-4 below)* – A facility will treat and dispose of an estimated 900 pounds r year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non–listed wastes. Two wastes e corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 00 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

...more than 26 wastes to list.

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FOR OFFICIAL USE ONLY

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III. HAZARDOUS WASTES (continued)

A.	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)				D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	D001 25	T	S01				Ultimate disposal will be on contract basis offsite
2	U210						Included with above
3	P120 1.5	T	S01				Ultimate disposal will be on contract basis offsite
4	U013 3.6 (8% ASB.)	T	S01				Ultimate disposal will be on contract basis offsite
5	D002 870,000	T	S04	T04			
6	D001 33	T	T04				
7	D007 1,550,000	T	S04	T04			
8							
9							
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24							
25							
26							

...ntinued)

...AL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. *(enter from page 1)*

L	D	0	0	5	0	7	8	1	2	6	T/A	C
												6

...ACILITY DRAWING

...existing facilities must include in the space provided on page 5 a scale drawing of the facility *(see instructions for more detail).*

...HOTOGRAPHS

...existing facilities must include photographs *(aerial or ground–level)* that clearly delineate all existing structures; existing storage, ...atment and disposal areas; and sites of future storage, treatment or disposal areas *(see instructions for more detail).*

...FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*						LONGITUDE *(degrees, minutes, & seconds)*					
3	9	4	7	5	5	8	8	2	1	0	0

...FACILITY OWNER

A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. *(area code & no.)*
N.A.	

3. STREET OR P.O. BOX	4. CITY OR TOWN		5. ST.	6. ZIP CODE
N.A.	C G	N.A.		

...OWNER CERTIFICATION

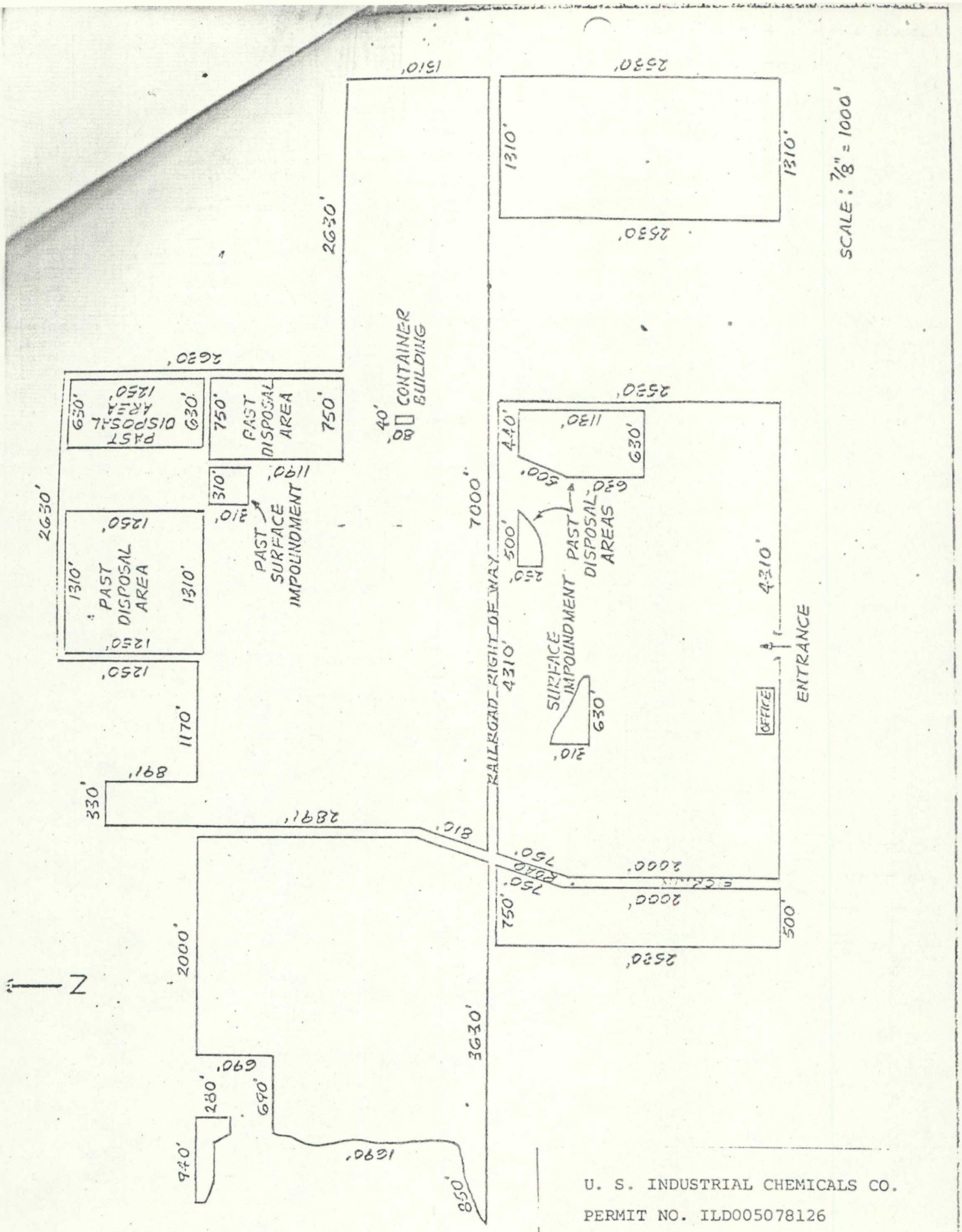
...rtify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached ...uments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the ...mitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, ...luding the possibility of fine and imprisonment.

NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
...e J. R. Crozier ...e President, Manufacturing ...S. Industrial Chemicals Co.	James R Crozier	11/17/80

...OPERATOR CERTIFICATION

...rtify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached ...uments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the ...mitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, ...luding the possibility of fine and imprisonment.

NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED



U. S. INDUSTRIAL CHEMICALS CO.

PERMIT NO. ILD005078126

ILD #005078126
EPA IDENTIFICATION NUMB

RCRA INSPECTION REPORT - INTERIM STATUS STANDARDS TREATMENT, STORAGE, AND DISPOSAL FACILITIES
Form A - General Facility Standards

I. General Information:

(A) Facility Name: U.S. Industrial Chemicals Co.

(B) Street: P. O. Box 218

(C) City: Tuscola (D) State: IL. (E) Zip Code: 61953

(F) Phone: 217/253-3311 (G) County: Douglas

(H) Operator: U.S. Industrial Chemicals Co.

(I) Street: P. O. Box 218

(J) City: Tuscola (K) State: IL. (L) Zip Code 61953

(M) Phone: 217/253-3311 (N) County: Douglas

(O) Owner: National Distillers & Chemical Corp.

(P) Street: 99 Park Avenue

(Q) City: New York (R) State: New York (S) Zip Code: 10016

(T) Phone: 212/949-5000 (U) County: Manhattan

(V) Date of Inspection: 3/19/82 (W) Time of Inspection (From) 1:10P. (To) 2:40P.

(X) Weather Conditions: 40°, Rain

Rev. 3-6-81/J.B.

IL 532-0894
LPC 92 12/81

REMARKS

Use this section to briefly describe site activities observed at the time of the inspection. Note any possible violations of Interim Status Standards.

An Interim Status Standards Inspection was conducted on March 19, 1982, by Rick Hersemann and this author. Mr. Rudy Kalmar, Max Miller and Elmer Alsmeyer represented U.S.I. during the inspection. This inspection was to recheck Phil Weston's inspection in 1981, and to determine if the facility belongs in the system. In the Part A, seven wastes were listed in the form. F001 and U210 (listed on the form) referred to the same waste, tetrachloroethane. At this time, no tetrachloroethane has been generated at the facility. Vanadium pentoxide, P120, is being used as a catalyst, and has yet to be generated as a waste. The vanadium pentoxide is located in their reactors, and it might be three to four years before any is generated as a waste. U013 is an asbestos insulation waste, which was determined to be a non-hazardous waste and was disposed at the IEPA permitted Villa Grove Landfill. A D001 waste, organic peroxide is generated and is mixed with kerosene. It is then burned off in a smokeless flare. The flare is permitted by the IEPA's Division of Air Pollution. The final two wastes generated at the facility are D002-corrosive and D007-EP Toxic-chromium. These wastes are stored in a surface impoundment. The impoundment is linked with the plant's wastewater treatment plant. The wastewater enters into the impoundment with a pH of less than 2.0. The wastewater is neutralized and flows to the treatment plant where it is further treated and discharged into the Kaskaskia River. Because the surface impoundment is believed to be a rapid neutralization impoundment and handles corrosive wastes, the staff at USI will be asking for a waiver under amendment 265.90(E). This neutralization process would qualify them for the waiver from the groundwater monitoring requirements. However, to receive a waiver, a study must be completed; which would show a low potential for migration of hazardous waste or hazardous constituents from the facility via the uppermost aquifer to water supply wells or to surface water. Also, an evaluation of the unsaturated zone and saturated zones characteristics (geologic materials, physical properties, rate of groundwater flow, etc.) must be documented. Presently, USI is having a study prepared, which shows that the surface impoundment is not a detriment to the groundwater or water supplies in the area. A copy of the study is to be forwarded to this office, along with a memorandum asking for a waiver.

Mr. Rick Hersemann also inspected the deep well during the I.S.S. Inspection. The deep well is not being used to dispose of hazardous waste according to Rudy Kalmar of USI.